

# CX-HB3.0 HYDRA-BALANCE CHOKE AND PANEL SYSTEM

**CORTEC is setting industry standards with our drilling chokes and control systems.**

## CORTEC SET POINT CONTROL SYSTEMS

### *CX-HB3.0 Hydraulically Balanced Choke and Panel System*

The CORTEC CX-HB3.0 Choke System is designed to offer drilling operations an increased level of value and functionality within MPD, UBD and other drilling set point applications. The CX-HB3.0 control panel is dual choke capable unit and can be controlled via a compact remote panel that can be installed in close proximity to the driller. This system exceeds the level of response and precision of many existing options within the market today at a value point operators can afford.

The CX-HB3.0 is a pressure balanced choke featuring the following:

- 3" Max Orifice
- 4-1/16" 5,000 PSI API RTJ Connections
- Gantry and Service Tool Options for Ease of Maintenance
- Tungsten Carbide Trim Components – Dual Sided Seat for Extended Life and Outlet Wear Sleeve
- Hydraulic Quick Connections for Panel Hoses
- Custom Flange and Dimensional Sizes Available Upon Request
- API 6A PSL3 TC-PU [-20 / +250F] MC-EE H2S Standard, NACE MR-0175 / ISO15156"

### **ADDITIONAL SPECIFICATIONS & STANDARD FEATURES:**

The CX-HB3.0 Control Panel is an optimized design layout to offer the end user the highest level of field friendly serviceability.

- Main HPU/HMI Control System with Remote HMI Panel Integration
- Compact Panel Foot Prints to Maximize Weight and Space Savings
- Operating Pressure Range up to 2,500 PSI
- Set Point Accuracy of +/- 25 or less PSI
- Power Supply – 110 VAC
- Air Supply – 80-150 PSI, Very Low Air Consumption
- Controller Temp Range - 20F – 140F
- Design - Class I, Division II, Group C,D
- Siemens Tunable PLC Controller
- Profinet Network Communications
- WITS Interface Capable
- Password Protected Operator Interface
- On-Board Vortex Cooler System
- Forklift and Crane Lifting Points
- Battery and Air Back Up Systems
- Manual Back Up Set Point Control Upon Loss of Electrical Power

### **ADVANCED FUNCTIONALITY FEATURES:**

- Rapid Mode Selection – Two Set Points, Full Open, Full Close and Ramp Scheduling/Pressure Trapping
- High Resolution Choke Position Monitoring
- Mud Pump Stroke Counter, Totalizer and Rate



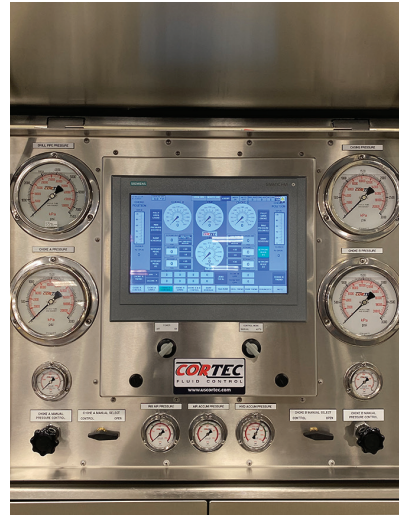
CX-HB3.0 Hydra-Balanced Choke

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CX-HB3.0 Hydraulically Balanced Choke and Panel System

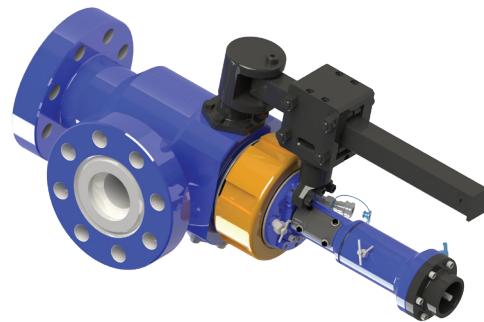
**Main Cabinet:** 36"W x 38"D x 65"H, ~1150 lbs.



**Remote HMI:** 20"W, x 12"D x 18"H, ~58 lbs.



CX-HB3.0 Hydra-Balanced Choke with optional gantry installed



No other valve manufacturer strives to exceed their customers' needs and expectations more than CORTEC.

**Drilling Chokes Sales • 225-421-3300**